

## **March SUAS Training**

### **Instructors: Sgt. Justin Bostic & TFO William Burton**

0700 – 0730

- Assess attendance
- Meet and greet
- Go over training topic, objectives, and goals.

0730 – 0830

- Update SUAS operators with program development
  - Forms
  - Gear procurement
  - Basic radios to communicate with control towers and frequencies
  - COA progress
  - Certificates
  - Suggestions?
- Go over drone deployment form in detail
- Go over access to SUAS google shared drive and contents (Part 107 study guide)
- Walkthrough NOTAM filing
- Take the time to answer questions and confirm participants are capable of completing the tasks above

0830 – 0845

- Break (Meet at staged crime scene)

0845 – 0945

- Go over documentation checklist/standards
  - SUAS Deployment form
  - Take off well outside the immediate area (Minimum 100 Yards) of the crime scene and or the immediate surrounding area
  - Start with metered overall aerial photos (Ensure settings are on JPEG+RAW W/HDR selected)
    - 400ft (x3 photos)
    - 350ft (x3 photos)
    - 300ft (x3 photos)

- 250ft (x3 photos)
- 200ft (x3 photos)
- 150ft (x3 photos)
- 100ft (x3 photos)
- 50ft (x3 photos)
- Do not go lower than 50ft, use zoom up to two optical at this distance to focus on crime scene details that require a close in birds eye view
  - Demonstrate how descending to low can disrupt and contaminate a crime scene, go over dos and don'ts.
- Ascend between 75-200ft+ determine based on needs of crime scene
  - From each corner of the crime scene take 4K video footage left to right encompassing the entire scene in one fluid shot (X4)
- Ascend between 75-200ft+ determine based on needs of crime scene
  - With the possible direction of travel or actions related to the crime scene conduct a 4K full motion flyover of the crime scene and additional flyovers of the immediate surrounding areas
- Coordinate with on call or supervising SIU personnel to go over captured footage and ask if they have anything else they want specifically documented with the SUAS in a particular fashion.

0945 – 1000

- Break

1000 - 1100

- Outdoor flying maneuvers
  - Point of view
  - Figure eight
  - Hard Stop
  - Precision handling
  - Etc.
- Indoor Flying maneuvers
  - Entering the structure from outdoor flight
  - Clearing the structure limited to the SUAS's capabilities
  - Indoor flight from point A to point B
  - Locate the gunman / hostages
  - Etc.
    - Overall goal here is to get everyone as much stick time as possible

1100 – END

- Take questions, concerns, and requests for future training.

- If additional time is granted or course runs ahead of schedule take the time to go over advanced flying settings/features and transition into trouble shooting hardware communication issues.

#### POST sUAS Training Report MARCH

##### **Attendees: 03/24/2019**

Reserve Deputy Joseph Espinoza

Reserve Deputy Jose Padilla

Reserve Deputy Anthony Brewer (No Show/ No contact)

DeAnza S&R Jeff Green

DeAnza S&R Paul Redona

DeAnza S&R Tim Hamilton (Sick)

##### Training Summary:

Training from 0700 to 1200 hours All areas covered all pilots flew both courses

Offered extra training if needed due to schedules

Concerns and issues talked about during last training in Feb. at court house

Connection Issues

Cell phone connection/ Battery

Battery Chargers/ Too long to charge for the need

Communication

##### **Attendees: 03/25/2019**

Inv. Eliseo Gonzalez

Inv. Marcos Lopez

Inv. E. Jacobo

Inv. P. Acuna (Sick)

##### Training Summary:

Training from 0800 to 1100 hours all areas covered all pilots flew both courses

Offered extra training if needed due to schedules

Call out procedures

Safety and pre-flight check list

Q&A for problems encountered

Notable issues:

Connection issues with Android Cell phones

Connection issues around power lines

Lack of Ease of throttle for sport mode

Rushing through photographs